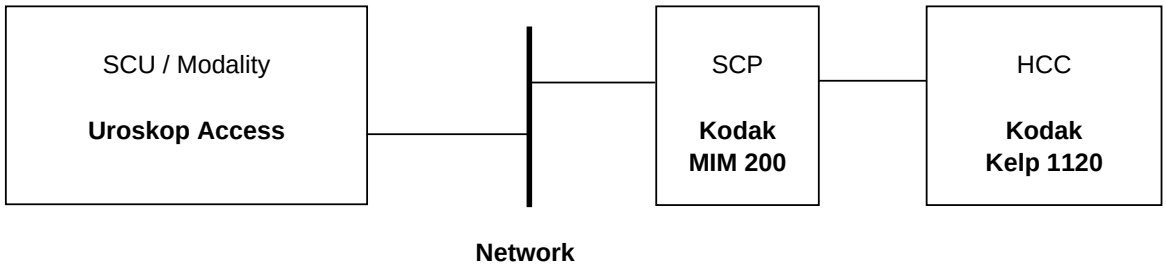
Product:	Uroskop Access
Title:	Specific Hardcopy Camera Information for Kodak Kelp 1120 / PACS Link MIM 200
Affected systems:	Image System ASPIA
Replaces:	SPL5-330.814.14.01.02

1 General Information

1.1 Block Diagram



1.2 Available Film Sizes

Application		ASPIA	Film Type	Medium Type
14"x17"	Portrait	yes	Kodak EIR-7 or DIR 7	blue based
	Landscape	yes		
14"x14"	Portrait	yes	Kodak EIR-7 or DIR 7	blue based
	Landscape	yes		
11"x14"	Portrait	yes	Kodak EIR-7 or DIR 7	blue based
	Landscape	yes		
8"x10"	Portrait	yes	Kodak EIR-7 or DIR 7	blue based
	Landscape	yes		
others		n.a.	n.a.	n.a.

Released : yes - Film size is available and released
Released : no - Film size is available but not released
Released : n.a. - Film size is not available

1.3 Restrictions and known Effects

The Filmsize 11”x14”, Portrait orientation is printed on film in Landscape orientation and vice versa for Filmsize 11”x14” Landscape.
For HCC-independent restrictions, see also the general restrictions in the document Uroskop Access, General Hardcopy Information.

2 Modality SW Configurations / Parameters

2.1 Configuration

Refer to: Uroskop Access, General Hardcopy Camera Information

Application Entity Properties	Display	Changes allowed yes/no
AE Title	K1120 (*1)	**Yes**
Port Number	5040	**No**
Supported DICOM Services	Print	**No**

HC Device / General Settings		Display	Changes allowed yes/no
Type		DICOM printer	**No**
Class (Printer spec file name)		kodak1120	**No**
DICOM Node		Kelp1120	**Yes**
Filming Properties		**Display**	**Changes allowed yes/no**
Hold printed film jobs		10	**Yes**
Min. density		0.20	**No**
Pixel Size [1/1000 mm]		80.0 x 80.0	**No**
Film Sheet Formats Portrait	**Number of pixels [columns x rows]**	Inch 8 x10 2304x2900 Inch 11 x 14 4096x3232 Inch 14 x 14 4096x4108 Inch 14 x 17 4096x5132	In "define new" Do not modify/add Select only Delete only
Film Sheet Formats Landscape	**Number of pixels [columns x rows]**	Inch 8 x 10 2900x2304 Inch 11 x 14 3232x4096 Inch 14 x 14 4108x4096 Inch 14 x 17 5132x4096	In "define new" Do not modify/add Select only Delete only
Medium Type		blue film	No(*2)
Film Destination		magazine	Yes
Color appearance		monochrome	**No**
Background		black	Yes
Transformation		no magnification	**No**

Note: Do not modify and/or add film sizes.
Do not modify pixel sizes.
Delete film sizes that are not available at customer site

(*1) Please do not use AE Title like “NER_…”

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2.2 Error and Warning Messages

Printer Status info	Description	Message string visible in the Status Bar	Other action for *syngo*/camera symbol
PRINTER -BUSY	No description available	Printer busy	<None>/idle
CHECK CHEMICALS	No description available	Check chemicals	<None>/idle
EMPTY 4X6	No description available	Empty 4x6	<None>/idle
EMPTY 4X6 PAPR	No description available	Empty 4x6 papr	<None>/idle
EMPTY 85X11	No description available	Empty 85x11	<None>/idle
EMPTY 85X11 PAPR	No description available	Empty 85x11 papr	<None>/idle
EMPTY A4	No description available	Empty a4	<None>/idle
LOW 4X6	No description available	Low 4x6	<None>/idle
LOW 4X6 PAPR	No description available	Low 4x6 papr	<None>/idle
LOW 85X11	No description available	Low 85x11	<None>/idle
EMPTY 85X11 PAPR	No description available	Low 85x11 papr	<None>/idle
LOW A4	No description available	Low A4	<None>/idle

3 Hardcopy Camera, Configuration

3.1 Identification

Device-Type:	DICOM Print Server(SCP)	Printer
Manufacturer / Device Name:	Kodak / PACS Link MIM 200	Kodak / KELP 1120
HW Revision:	IBM,PC300L	KELP 1120 with Fiber Input
SW Revision:	V 5.2	V 2.40 – 0.32
Image Memory:	64 MB	n.a.
Harddisk:	2GB	none
Number of Operating Panels:	1Keypad	1 built in Keypad
No./Typ of Input:	1 Ethernet Board(RJ45)	1 fiber input board
No./Typ of Output:	1 Ethernet Board (Fiber Optic)	n.a.
Physical Network Interface:	100/10 Base-T Ethernet,UTP/STP	n.a.
Network Protocol:	TCP / IP	n.a.
DICOM Conformance Statement:	MIM SW Rev.C ,Jan.23 2002	n.a.

3.2 SCP / Printer Settings (provided by OEM)

MIM200 Setup:

- on Configure, Network:
  - Computer Name=eg Kodak1120, IPAddr=accordingly
  - Subnet Mask=accordingly, Gateway Addr=accordingly
- on Configure, Input, Network, Add:
  - Protocol=DICOM 3.0, Log.Name=DICOM, Type/Com=Keypad/COM9
- on Configure, Destination, Add, Print, Direct, Qualified, KELP 1120, Set:
  - General: Log.Name=KELP1120, Database Name=KELP 1120
  - General: Model=KELP 1120, Memory=20, Node ID=6 or accordingly
  - Media Info: Media=35x43cm, 4096x5132, 5034, (Blue)
  - Media Info: Media=35x35cm, 4096x4108, 4010, (Blue)
  - Media Info: Media=11x14in, 4096x3232, 3134, (Blue)
  - Media Info: Media=8x10in, 2304x2900, 2802, (Blue)

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- Supported Item: Collation=On, Text=On, Tonescaling=On, Rotation=On
- Interpolation: NoMag=On, Repl=On,Cubic Spline=On
- Format Types: Custom=On, Slide=On, Row Symmetric=On
- Format Types: 1, 2, 4, 6, 8, 9, 12, 15, 16, 20, 24, 30, 35=On
- Formatting: Aspect Ratio Mix on Page=On, Image Size Mix in Std Fmt=On
- Formatting: DICOM Annotation Box=On, Req.Size Scale=On
- Formatting: Req.Size Mix in Row=On
- Formatting: Aspect Ratio Mix in Row=On, Image Size Mix in Row=On
- Formatting: Req.Image Size=On, Req.Size Mix on Page=On
- Formatting: True Landscape=On
- Formatting: Max Img per Band=20, Max Band per Page=20, Max Img Col=0
- Formatting: Max Img Row=0, Min Horiz Sep=3, Min Vert Sep=0
- Formatting: Trim Width Enabled=0, Trim Width Disabled=0
- Formatting: Pixel Pitch=12.5
- Image Processing: Grayscale=On, Minify=On, Max Image Dmax=2.8
- M952 Usage: Min H/V Mag=0, Max H/V Mag=0, Min Dmax 952=1.7

- on Configure, SCP Services, select the specific modality, Modify:
  - Image Resizing, Resizing <M/S>=Minify/Scale, Always Apply=N
  - Relocate Text Box, Location = none
  - **N-EVENT Reporting, Reporting =N, Always Apply=Y**
  - Warning Status=Y
  - PLUT=N
  - Tone Scaling=CS (Curve Shape), Always Apply=Y
  - Curve Shape/TFT, Curve Shape=0.0, Always Apply=Y
  - Contrast (wet)=+0, Always Apply=N
  - Interpolation=No Mag., Always Apply=N
  - Image Dmin=0.00, Always Apply=N
  - Image Dmax=3.00, Always Apply=N
  - Polarity=Normal, Always Apply=N
  - Border=3.99, Always Apply=N
  - Size=14INx17IN, Always Apply=N
  - Base=Blue Film, Always Apply=N
  - Priority=Normal, Always Apply=N
  - Page Annotation, Annotation Setup, Always Apply=N, Modality ID=Off, Hospital Name=Off, Print Date=Off, Print Time=Off, Page Number=Off

1120 Setup:
Optical Interface board will automatic configure into 1120, no setup needed

Maximum number of associations supported:	8

4 Image Quality and Optical Density

4.1 Reference Film and LUT

Refer to: Uroskop Access, General Hardcopy Camera Information

4.2 Real Size Scaling

n.a.

5 Abbreviations

DCS	DICOM Conformance Statement
DICOM	Digital Imaging and Communication in Medicine
HW / SW	Hardware / Software
HCC	Hardcopy Camera
LUT	Look Up Table
OEM	Original Equipment Manufacturer
SCP	Service Class Provider
SCU	Service Class User
TCP/IP	Transfer Control Protocol / Internet Protocol

6 Changes to Previous Version

Chapter 1.2; 2.1; 3.1 and 3.2 were updated.

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